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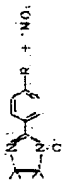
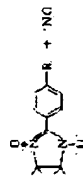
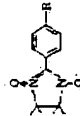
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(54) THERAPEUTIC AGENT FOR VIRUS INFECTION

(57)Abstract:

PURPOSE: To obtain a therapeutic agent, containing a specific imidazolinoyl N-oxide derivative as an active ingredient, capable of effectively removing NO excessively produced by the infectious response of hosts in infection with a virus, and useful for various virus infectious diseases.

CONSTITUTION: This therapeutic agent for virus infection comprises an imidazolinoyl N-oxide derivative of formula I (R is H, carboxyl, or carbomethoxy) as an active ingredient. As the compound of formula I, e.g. 2-phenyl-4, 4, 5, 5-tetramethylimidazolin-1-oxyl 3-oxide is cited as the compound in which R=H and can be synthesized by a known method. Furthermore, the compound of formula I directly reacts with nitrogen monoxide radical (NO) following formula II in the living body to convert NO to NO₂ and then the compound is detoxified by converting it into HNO₂ or HNO through known metabolic pathways.



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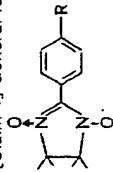
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1. This document has been translated by computer. So the translation may not reflect the original precisely.
- 2.*** shows the word which can not be translated.
3. In the drawings, any words are not translated.

CLAIMS

[Claim (a)]

[Claim 1] General formula [** 1]



(R expresses a hydrogen atom, a carboxyl group, or a carboxy methoxy group among a formula.)
Imidazoline oxyl expressed Viral infectious disease therapy agent characterized by making N-oxide derivative into an active principle.

[Claim 2] The viral infectious disease therapy agent according to claim 1 whose R in a general formula is a hydrogen atom.

[Claim 3] The viral infectious disease therapy agent according to claim 1 or 2 which treats infection by an influenza virus, the Herpes virus, the hepatitis virus, the cytomegalovirus, or the human immunodeficiency virus.

[Translation done.]